

Ruby - Bug #16257

Gem::Version instances are silently created as singletons

10/16/2019 08:23 AM - tonci (Tonči Damjanić)

Status:Third Party's Issue Priority:Normal Assignee: Target version: ruby -v:ruby 2.6.5p114 (2019-10-01 revision 67812) [x86_64-linux]	Backport:2.5: UNKNOWN, 2.6: UNKNOWN
Description Instantiating Gem::Version objects via new actually returns singletons, which is not obvious nor is this documented anywhere: irb(main):001:0> v1 = Gem::Version.new("2.2.0") => #<Gem::Version "2.2.0"> irb(main):002:0> v1.frozen? => false irb(main):003:0> v2 = Gem::Version.new("2.2.0") => #<Gem::Version "2.2.0"> irb(main):004:0> v2.frozen? => false irb(main):005:0> v1.freeze => #<Gem::Version "2.2.0"> irb(main):006:0> v1.frozen? => true irb(main):007:0> v2.frozen? => true irb(main):008:0> v1.object_id == v2.object_id => true Affected Ruby versions: • ruby 2.6.5p114 (2019-10-01 revision 67812) [x86_64-linux] • ruby 2.4.4p296 (2018-03-28 revision 63013) [x86_64-darwin17] This feature can cause side-effects if the application freezes a Gem::Version that matches the version of one of the loaded gems. class ApplicationController < ActionController::Base ... SOME_VERSION = Gem::Version.new('2.2.0').freeze end Error raised during rails console startup (notice that js_cookie_rails is on the same version): Invalid gemspec in [/var/www/application-server/vendor/bundle/ruby/2.4/specifications/js_cookie_rails-2.2.0.gemspec]: can't modify frozen Gem::Version /usr/local/share/ruby/gems/2.4/gems/bundler-2.0.2/lib/bundler/stub_specification.rb:97:in `_remote_specification': The gemspec for js_cookie_rails-2.2.0 at /var/www/application-server/vendor/bundle/ruby/2.4/specifications/js_cookie_rails-2.2.0.gemspec was missing or broken. Try running `gem pristine js_cookie_rails -v 2.2.0` to fix the cached spec. (Bundler::GemspecError)   from /usr/local/share/ruby/gems/2.4/gems/bundler-2.0.2/lib/bundler/remote_specification.rb:106:in `method_missing' from /usr/share/ruby/vendor_ruby/2.4/rubygems/specification.rb:1040:in `block in find_by_path'   from /usr/local/share/ruby/gems/2.4/gems/bundler-2.0.2/lib/bundler/spec_set.rb:148:in `each' from /usr/local/share/ruby/gems/2.4/gems/bundler-2.0.2/lib/bundler/spec_set.rb:148:in `each'   from /usr/share/ruby/vendor_ruby/2.4/rubygems/specification.rb:1039:in `find' from /usr/share/ruby/vendor_ruby/2.4/rubygems/specification.rb:1039:in `find_by_path'   from /usr/share/ruby/vendor_ruby/2.4/rubygems.rb:209:in `try_activate' ... Unfreezing the SOME_VERSION constant fixes the gemspec error.	

History

#1 - 10/16/2019 08:23 AM - tonci (Tonči Damjanić)

- *Description updated*

#2 - 10/16/2019 08:25 AM - tonci (Tonči Damjanić)

- *File full-stack-trace.txt added*

Attached the full stack trace.

#3 - 10/16/2019 08:59 AM - nobu (Nobuyoshi Nakada)

- *Status changed from Open to Third Party's Issue*

It is an issue of rubygems.

Please report it at <https://github.com/rubygems/rubygems/>

#4 - 10/16/2019 12:59 PM - tonci (Tonči Damjanić)

Done: <https://github.com/rubygems/rubygems/issues/2948>

#5 - 10/17/2019 07:53 AM - tonci (Tonči Damjanić)

Fixed and scheduled for rubygems v3.1.0.

Files

full-stack-trace.txt	4.98 KB	10/16/2019	tonci (Tonči Damjanić)
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